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ABSTRACT OF THE DISCLOSURE

The video index information has a tree structure comprising frame information, sound information, segment information, and package information each as a structure element object. The segment information manages package information for managing a plurality of other segment information as a group, and in the tree structure, the package information is allocated in addition to the frame information and sound information under one segment information, and the video information is managed by using the tree structure of the video index information and structure element objects therein.